

(Rev. 5/92) Comparable to Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 78746	Serial No. 09/515,118		
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicants Wachtfogel, et al.			
				Filing Date February 28, 2000	Group		
U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HVT	A	5,986,692	11/16/1999	SYSTEMS AND METHODS FOR COMPUTER ENHANCED BROADCAST MONITORING			
HVT		5,892,536	04/06/1999	SYSTEMS AND METHODS FOR COMPUTER ENHANCED BROADCAST MONITORING			
HVT		5,371,551	12/06/1994	TIME DELAYED DIGITAL VIDEO SYSTEM USING CONCURRENT RECORDING AND PLAYBACK			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes
							No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
Examiner <i>Hata</i>		Date Considered <i>2/20/05</i>					
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

<p>(Rev. 5/92) Comparable to Form PTO-1449</p>	<p>U.S. Department of Commerce Patent and Trademark Office</p>	<p>Atty. Docket No.</p> <p>78746</p>	<p>Serial No.</p> <p>09/515,118</p>
<p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>			
<p>Applicants Wachtfoget, et.al.,</p>			
<p>Filing Date February 28, 2001</p>			
<p>Group 2713</p>			

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HVT	A	5,235,643	08/10/1993	Anderson, et.al.			
HVT		5,819,092	10/06/1998	Ferguson, et.al.,			

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

A graph on a grid showing a curve starting at the origin and increasing at a decreasing rate. The curve is concave down. A point on the curve is labeled '1'.

Examiner

Date Considered

12/20/05

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<p>10/24/2001 W&L Submits for Form PTO-SB/08A, which is a US PTO Substitute for form 1449A/PTO and 1449B/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>		<p>Complete if Known</p> <table border="1"> <tr> <td>Application Number</td> <td>09/515,118</td> </tr> <tr> <td>Filing Date</td> <td>February 24, 2000</td> </tr> <tr> <td>First Named Inventor</td> <td>WACHTFOGEL, et al.</td> </tr> <tr> <td>Art Unit</td> <td>2713</td> </tr> <tr> <td>Examiner Name</td> <td>Not Assigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>7251/78746</td> </tr> </table>		Application Number	09/515,118	Filing Date	February 24, 2000	First Named Inventor	WACHTFOGEL, et al.	Art Unit	2713	Examiner Name	Not Assigned	Attorney Docket Number	7251/78746
Application Number	09/515,118														
Filing Date	February 24, 2000														
First Named Inventor	WACHTFOGEL, et al.														
Art Unit	2713														
Examiner Name	Not Assigned														
Attorney Docket Number	7251/78746														
Sheet	1	of	1												

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/515,118
Sheet 1 of 3		Filing Date	February 28, 2000
		First Named Inventor	WACHFOGEL, et al.
		Art Unit	2713
		Examiner Name	
		Attorney Docket Number 78746	

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
WKT		US-3,341,833	09/12/1967	Jones
		US-3,645,539	02/29/1972	Jenkins
		US-3,682,363	08/08/1972	Hull
		US-4,283,735	08/11/1981	Jagger
		US-4,319,286	03/09/1982	Hanpachem
		US-4,408,309	10/04/1983	Kiesling, et al.
		US-4,430,676	02/07/1984	Johnson
		US-4,445,195	04/24/1984	Yamamoto
		US-4,530,048	07/16/1985	Proper
		US-4,633,331	12/30/1986	McGrady, et al.
		US-4,706,121	11/10/1987	Young
		US-4,876,670	10/24/1989	Nakabayashi, et al.
		US-4,885,775	12/05/1989	Lucas
		US-4,891,715	01/02/1990	Levy
		US-4,908,713	03/13/1990	Levine
		US-4,963,886	10/16/1990	Duncan
		US-4,963,994	10/16/1990	Levine
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		US-5,241,428	08/31/1993	Goldwasser, et al.
		US-5,293,357	03/08/1994	Hallenbeck
		US-5,371,551	12/06/1994	Logan, et al.
		US-5,390,027	02/14/1995	Henmi, et al.
		US-5,440,336	08/08/1995	Buhro, et al.
		US-5,477,262	12/19/1995	Banker, et al.
		US-5,479,302	12/26/1995	Haines
		US-5,508,815	04/16/1996	Levine
		US-5,508,940	04/16/1996	Rossmere, et al.
		US-5,557,538	09/17/1996	Retter, et al.
WKT		US-5,568,272	10/22/1996	Levine
WKT		US-5,703,997	12/30/1997	Kitamura, et al.

Examiner Signature	<i>Frank</i>	Date Considered	12/20/05
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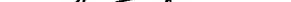
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(use as many sheets as necessary)		Filing Date	February 28, 2000
		First Named Inventor	WACHFOGEL, et al.
		Art Unit	2713
		Examiner Name	
Sheet	2	of	3
		Attorney Docket Number	78746

HVT	US-5,717,814	02/10/1998	Abecassis	
HVT	US-5,977,964	11/02/1999	Williams, et al.	
HVT	US-6,324,338	11/27/2001	Wood, et al.	

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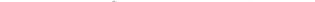
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	78746	

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

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U.S. PATENT DOCUMENTS					
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XVT		US-3,341,833	09/12/1967	Jones	
		US-3,645,539	02/29/1972	Jenkins	
		US-3,682,363	08/08/1972	Hull	
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		US-4,430,676	02/07/1984	Johnson	
		US-4,445,195	04/24/1984	Yamamoto	
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		US-5,038,211	08/06/1991	Hallenbeck	
		US-5,063,453	11/05/1991	Yoshimura, et al.	
		US-5,151,789	09/29/1992	Young	
		US-5,241,428	08/31/1993	Goldwasser, et al.	
		US-5,293,357	03/08/1994	Hallenbeck	
		US-5,371,551	12/06/1994	Logan, et al.	
		US-5,390,027	02/14/1995	Henmi, et al.	
		US-5,440,336	08/08/1995	Buhro, et al.	
		US-5,477,262	12/19/1995	Banker, et al.	
		US-5,479,302	12/26/1995	Haines	
		US-5,508,815	04/16/1996	Levine	
		US-5,508,940	04/16/1996	Rossmere, et al.	
		US-5,557,538	09/17/1996	Retter, et al.	
		US-5,568,272	10/22/1996	Levine	
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		Art Unit	2713
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		Attorney Docket Number	

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MVT	US-5,977,964	11/02/1999	Williams, et al.	
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Sheet 1 of 2

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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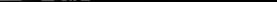
Sheet 2 of 2

Complete if Known

Application Number	09/515,118
Filing Date	February 28, 2000
First Named Inventor	WACHFOGEL, et al.
Art Unit	2713
Examiner Name	
Attorney Docket Number	78746

Sheet 2 of 2

Attorney Docket Number **78746**

Examiner Signature		Date Considered	12/20/05
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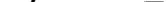
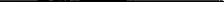
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<p>10/24/2001 W&L Substitute for Form PTO-SB-08A, which is a US PTO Substitute for form 1449A/PTO and 1449B/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				Complete if Known	
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Sheet	3	of	2	Attorney Docket Number	78746

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Form PTO-1449 (Rev. 8-88)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 7251/78746	Serial No. 09/515,118
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Wachtfogel et al.			
		Filing Date 2 Feb. 2000		Group No. 2713	

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Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HVT		4,930,158	29 May 1990	Vogel			
HVT		5,701,383	23 Dec. 1997	Russo et al.			

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							Yes	No
HVT		0 584 991 A2	2 Mar. 1994	EP				

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HVT	Ceccarelli, M.P., "Metadata for Broadcasting" (MPEG-7 Workshop, XP 002117657, 1998)			OK HVT

Examiner Shata Date Considered 2/20/05

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U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
W/T		4,602,279	07/22/1986	Freeman			
		5,223,924	06/29/1993	Strubbe			
		5,353,121	10/04/1994	Young et al.			
		5,479,266	12/26/1995	Young et al.			
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		5,524,195	06/04/1996	Clanton et al.			
		5,534,911	07/09/1996	Levitin			
		5,550,576	08/27/1996	Klosterman			
		5,659,366	08/19/1997	Kerman			
		5,664,046	09/02/1997	Abecassis			
		5,717,923	02/10/1998	Dedrick			
		5,721,827	02/24/1998	Logan et al.			
		5,737,029	04/07/1998	Ohkura et al.			
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		5,973,683	10/26/1999	Cargun et al.			
W/T				Date Considered	12/20/05		
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U.S. PATENT APPLICATION PUBLICATIONS							
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HVT		2001/0007147 A1	5 Jul. 2001	Goldschmidt Iki et al.			
		2002/0053084 A1	2 May 2002	Escobar et al.			
		2002/0056098 A1	9 May 2002	White			
		2002/0059094 A1	16 May 2002	Hosea et al.			
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		2002/0116710 A1	22 Aug. 2002	Schaffer et al.			
HVT		2002/0120943 A1	29 Aug. 2002	Seto et al.			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
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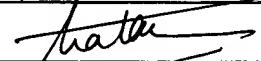
Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
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	4,924,732	05/1990	Hoskins et al.			
HVT	5,038,211	09/1991	Hallenbeck			

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						Yes	No
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HVT	96/33579	10/1996	WO				
HVT	96/37058	11/1996	WO				
HVT	97/27705	07/1997	WO				

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HVT	Gilbert et al., <i>The Role of Intelligent Agents in the Information Infrastructure</i> www.raleigh.ibm.com/iaagptc2.html	
	John Maisel, <i>Double Agent Infopack: A Collection of Papers Relating to Phillip's Double Agent System</i> , May 1998	
	Karin Petersen, <i>Tcl/Tk for a Personal Digital Assistant</i> , October 1994, Usenix, Very High Languages, Symposium Proceedings Mexico, pp41-55,	
	The Digital Audio-Visual Council, Bethesda, <i>Applications for Home Storage Based Systems</i> , May 11-13 1998, Source: Applications TC	
	Gessler et al., <i>PDAS as Mobile WWW Browsers</i> , 1995, <i>Computer Networks and ISDN Systems</i> , Vol. 28, pp53-59	
	Matsukura et al., <i>Multimedia Notebook: Information Capturing Technologies for Portable Computers</i> , October 1995, IEICE Trans Commun., Vol. E78-B. NO. 10, pp.1381-1385	

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HVT		5,410,344	04/1995	Graves et al.			

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							Yes	No
HVT		97/29592	08/1997	WO				
		97/48230	12/1997	WO				
		97/50250	12/1997	WO				
		98/16062	04/1998	WO				
HVT		99/03275	01/1999	WO				

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HVT	Kato et al., <i>A Portable Communication Terminal for Novices and its User Interface Software</i> , October 1995, IEICE Trans Commun., Vol. E78-B, NO. 10, pp.1387-1393	
	Angus et al., <i>Embedding the Second Interaction Metaphor in a Real 3D Virtual Environment</i> , 1995, SPIE Vol. 2409 pp. 282-293	
	Fah-Chun Cheong, <i>Internet Agents: Spiders, Wanderers, Brokers, 'Bots</i> , 1996, pp. 4-35,387-390	
	EJ Persoon, <i>Smash- A Concept for Advanced Use of Storage in the Home</i> , XP-002117666	
	MP Ceccarelli, <i>Metadata for Broadcasting</i> , February 1998, MPEG-7 Workshop ACM9, Brussels	
	IBM Corporation Home Page, <i>Intelligent Agents</i> , www.raleigh.ibm.com/flag/flaghome.html	

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HWT	5,436,676	07/1995	Pint et al.			
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	5,515,106	05/1996	Chaney et al.			
HWT	5,517,187	05/1996	Bruwer et al.			

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	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
HWT	99/03275	01/1999	WO				

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<i>Wachtfogel</i>	<i>12/20/05</i>
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		5,526,401	06/1996	Roach, Jr. et al.			
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		5,535,147	07/1996	Jacobs et al.			
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		5,561,708	10/1996	Remillard			
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HWT		5,564,088	10/1996	Saitoh			

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HWT	5,566,069	10/1996	Clark, Jr. et al.			
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KVT	5,629,733	05/1997	Youman et al.			
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	5,654,747	08/1997	Ottesen et al.			
	5,657,072	08/1997	Aristides et al.			
	5,666,645	09/1997	Thomas			
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dvt	5,675,524	10/1997	Bernard			

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WT	5,701,383	12/1997	Russo et al.			
	5,708,840	01/1998	Kikinis et al.			
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	5,727,060	03/1998	Young			
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	5,737,527	04/1998	Shiels et al.			
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KVT	5,752,244	05/1998	Rose et al.			

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